

L Number	Hits	Search Text	DB	Time stamp
19	79	device near2 (perform\$4 or authenticat\$5 or validat\$4 or verif\$5) near2 ((terminal or reader or "card reader") and (card or "ic card" or smartcard or smart\$1card))	USPAT; US-PGPUB	2004/11/04 10:18
20	8	device adj2 (perform\$4 or authenticat\$5 or validat\$4 or verif\$5) adj2 ((terminal or reader or "card reader") and (card or "ic card" or smartcard or smart\$1card))	USPAT; US-PGPUB	2004/11/04 10:18
24	34	device near2 (perform\$4 or authenticat\$5 or validat\$4 or verif\$5) near2 ((terminal or reader or "card reader") and (card or "ic card" or smartcard or smart\$1card))	USPAT; US-PGPUB	2004/11/04 10:30
27	3011	and @ad<20010501 380/45-52.ccls.	USPAT; US-PGPUB	2004/11/04 12:09
28	225	380/45-52.ccls. and ("card reader")	USPAT; US-PGPUB	2004/11/04 12:09
-	161	(computer or pc or pda or laptop or client or workstation) with (verif\$5 adj2 device)	USPAT; US-PGPUB	2004/10/28 15:30
-	85	(computer or pc or pda or laptop or client or workstation) with (verif\$5 adj2 device) and @ad<20010501	USPAT; US-PGPUB	2004/10/28 15:30
-	2	((computer or pc or pda or laptop or client or workstation) with (verif\$5 adj2 device) and @ad<20010501) and (encrypt\$4 adj2 (code or key)) with (card or "IC card" or smartcard)	USPAT; US-PGPUB	2004/10/28 15:35
-	6	(assur\$4 or validat\$4 or verif\$5 or protect\$3) with (security) with (encrypt\$4 adj2 (code or key)) near3 ("IC card" or smartcard or smart\$1card or card)	USPAT; US-PGPUB	2004/10/28 15:38
-	1034	(computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen))))	USPAT; US-PGPUB	2004/10/28 15:44
-	895	(computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501	USPAT; US-PGPUB	2004/10/28 15:44
-	485	((computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501) and (encrypt\$4 or (cipher\$4 or decipher\$4) or (cod\$3 or encod\$3))	USPAT; US-PGPUB	2004/10/28 15:48
-	139	((computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501) and (encrypt\$4 or (cipher\$4 or decipher\$4) or (cod\$3 or encod\$3)) near3 (code or key)	USPAT; US-PGPUB	2004/10/28 15:54
-	6564	(authenticat\$) with ("IC card" or card or token or smartcard)	USPAT; US-PGPUB	2004/10/28 15:55
-	3	(authenticat\$) with ("IC card" or card or token or smartcard) and (computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501	USPAT; US-PGPUB	2004/10/28 15:56
-	1876	(computer or pc or pda or laptop or client or workstation) and gate and (reader with (lcd or display or screen))	USPAT; US-PGPUB	2004/10/28 16:43

-	2	(computer or pc or pda or laptop or client or workstation) and gate and (reader with (lcd or display or screen)) with (encrypt\$4 near2 (code or key))	USPAT; US-PGPUB	2004/10/28 17:26
-	165	4614861.URPN.	USPAT	2004/10/28 17:14
-	5	(computer or pc or pda or laptop or client or workstation) and gate and (reader with (lcd or display or screen)) with (encrypt\$4 with (code or key))	USPAT; US-PGPUB	2004/10/28 17:31
-	219	713/169.ccls.	USPAT; US-PGPUB	2004/10/28 17:32
-	0	713/169.ccls. with (encrypt\$4 near (code or key))	USPAT; US-PGPUB	2004/10/28 17:33
-	155	713/169.ccls. and (encrypt\$4 near3 (code or key))	USPAT; US-PGPUB	2004/10/28 17:33
-	1	713/169.ccls. and (encrypt\$4 near3 (code or key)) and ((keyboard or reader of computer) near3 (coupled or connected) with gate)	USPAT; US-PGPUB	2004/10/28 17:34
-	1	713/169.ccls. and (encrypt\$4 near3 (code or key)) and ((keyboard or reader of computer) with (coupled or connected) with gate)	USPAT; US-PGPUB	2004/10/28 17:35
-	1	713/169.ccls. and (encrypt\$4 near3 (code or key)) and ((keyboard or reader or computer) with (coupled or connected) with gate)	USPAT; US-PGPUB	2004/10/28 17:35
-	138	713/169.ccls. and (encrypt\$4 near3 (code or key)) and (keyboard or reader or computer or gate)	USPAT; US-PGPUB	2004/10/28 17:35
-	105	713/169.ccls. and (encrypt\$4 near3 (code or key)) and (keyboard or reader or computer or gate) and @ad<20010501	USPAT; US-PGPUB	2004/10/28 17:37
-	30	713/169.ccls. and (encrypt\$4 near3 (code or key)) with (keyboard or reader or computer or gate) and @ad<20010501	USPAT; US-PGPUB	2004/10/28 17:37
-	0	gate with (interrupt\$3 adj2 data) with (keyboard with computer with reader)	USPAT; US-PGPUB	2004/10/29 16:10
-	0	gate and (interrupt\$3 adj2 data) with (keyboard with computer with reader)	USPAT; US-PGPUB	2004/10/29 16:10
-	1	4063221.pn.	USPAT; US-PGPUB	2004/10/29 16:10
-	31	4063221.URPN.	USPAT	2004/10/29 16:12
-	1218	(computer or pc or pda or laptop or client or workstation) and (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen))))	USPAT; US-PGPUB	2004/10/29 16:28
-	0	(computer or pc or pda or laptop or client or workstation) and (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) with (mcu or "micro controller unit")	USPAT; US-PGPUB	2004/10/29 16:28
-	0	(computer or pc or pda or laptop or client or workstation) and (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) with (verif\$6 adj2 device)	USPAT; US-PGPUB	2004/10/29 16:29
-	1069	(computer or pc or pda or laptop or client or workstation) and (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501	USPAT; US-PGPUB	2004/10/29 16:29
-	31	(computer or pc or pda or laptop or client or workstation) and (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501 and 713/169-300.ccls.	USPAT; US-PGPUB	2004/10/29 16:31

-	1	(computer or pc or pda or laptop or client or workstation) near3 (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501 and 713/169-300.ccls.	USPAT; US-PGPUB	2004/10/29 16:32
-	12	(computer or pc or pda or laptop or client or workstation) near3 (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501	USPAT; US-PGPUB	2004/10/29 16:33
-	895	(computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) and @ad<20010501	USPAT; US-PGPUB	2004/10/29 16:33
-	913	(computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) with smart\$1card or smartcard and @ad<20010501	USPAT; US-PGPUB	2004/10/29 16:34
-	208	(computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) with smart\$1card or smartcard and @ad<20010501 and 713/169-300.ccls.	USPAT; US-PGPUB	2004/10/29 16:38
-	13	(computer or pc or pda or laptop or client or workstation) with (gate near3 (coupled or connected) with (keyboard or computer or (reader with (lcd or display or screen)))) with smart\$1card or smartcard and @ad<20010501 and 713/169.ccls.	USPAT; US-PGPUB	2004/10/29 16:43
-	1	(secur\$3 or protect\$3) with ("card encryption code" near4 ("IC card" or smart\$1card or smartcard))	USPAT; US-PGPUB	2004/10/29 16:45
-	212	(secur\$3 or protect\$3) with (("card encryption code" or pin or "personal identification number" or id or identification or password or biometric) near4 ("IC card" or smart\$1card or smartcard))	USPAT; US-PGPUB	2004/10/29 16:45
-	1	(secur\$3 or protect\$3) with (("card encryption code" or pin or "personal identification number" or id or identification or password or biometric) near4 ("IC card" or smart\$1card or smartcard)) with (keyboard with (mcu or "micro controller unit"))	USPAT; US-PGPUB	2004/10/29 16:46
-	114	(secur\$3 or protect\$3) with (("card encryption code" or pin or "personal identification number" or id or identification or password or biometric) near4 ("IC card" or smart\$1card or smartcard)) and @ad<20010501	USPAT; US-PGPUB	2004/10/29 16:47
-	1	4517412.pn.	USPAT; US-PGPUB	2004/11/01 12:00
-	30	4517412.URPN.	USPAT	2004/11/01 13:47
-	1	5491827.pn.	USPAT	2004/11/01 13:47
-	38	5491827.URPN.	USPAT	2004/11/01 13:57
-	1068	(gate or switch) with "card reader"	USPAT	2004/11/01 14:07
-	6698	(gate or switch) near3 (connect\$3 or coupled) with ("card reader" or computer or keyboard)	USPAT	2004/11/01 14:08
-	2869	(gate or switch) near3 (connect\$3 or coupled) near3 ("card reader" or computer or keyboard)	USPAT	2004/11/01 14:09

-	2180	(gate or switch) near3 (connect\$3 or coupled) near3 (("card reader" with (mcu or "microcontroller unit")) or computer or (keyboard with (mcu or "microcontroller unit"))))	USPAT	2004/11/01 14:37
-	42	(gate or switch) near3 (connect\$3 or coupled) near3 (("card reader" with (mcu or "microcontroller unit")) or computer or (keyboard with (mcu or "microcontroller unit")))) with (interrupt\$3 or break\$3 or stop\$3)	USPAT	2004/11/01 14:13
-	40	(gate or switch) near3 (connect\$3 or coupled) near3 (("card reader" with (mcu or "microcontroller unit")) or computer or (keyboard with (mcu or "microcontroller unit")))) with (interrupt\$3 or break\$3 or stop\$3) and @ad<20010501	USPAT	2004/11/01 14:19
-	1	(gate or switch) near3 (connect\$3 or coupled) near3 (("card reader" with (mcu or "microcontroller unit")) or (keyboard with (mcu or "microcontroller unit")))	USPAT	2004/11/01 14:23
-	10	5907605.URPN.	USPAT	2004/11/01 14:37
-	1	(gate or switch) near3 (connect\$3 or coupled) near3 (("card reader" with (mcu or "microcontroller unit")) or (keyboard with (mcu or "microcontroller unit")))	USPAT	2004/11/01 14:38
-	743	(gate or switch) near3 (connect\$3 or coupled) near3 ("card reader" or keyboard)	USPAT	2004/11/01 14:38
-	41	(gate or switch) near3 (connect\$3 or coupled) near3 ("card reader" or keyboard) with (mcu or "microcontroller unit" or cpu or processor)	USPAT	2004/11/01 14:41
-	1837	(transfer\$3 or pass\$3 or send\$3) with (encrypt\$4 near2 (key or code or pin))	USPAT	2004/11/01 14:45
-	14	(transfer\$3 or pass\$3 or send\$3) with (encrypt\$4 near2 (key or code or pin)) with "card reader"	USPAT	2004/11/01 15:01
-	30	("card reader" with (mcu or microcontroller)) and (keyboard with (mcu or microcontroller))	USPAT	2004/11/01 15:16
-	476	("card reader" with (connect\$3 or coupled) with keyboard)	USPAT	2004/11/01 15:17
-	28	("card reader" with (connect\$3 or coupled) with keyboard) with (mcu or microcontroller or processor)	USPAT	2004/11/01 15:26
-	1015	("ic card" or card or smartcard) with (determin\$3 or decid\$3) with ("card encryption code" or key or pin)	USPAT	2004/11/01 15:28
-	39	("ic card" or card or smartcard) with (determin\$3 or decid\$3) with ("card encryption code" or key or pin) with ((connected or coupled) with (keyboard or gate or switch))	USPAT	2004/11/01 15:45
-	151	(authenticat\$3 or verif\$6 or validat\$4) with (in or by) adj2 ("ic card" or card or smartcard)	USPAT	2004/11/01 15:58
-	117	("ic card" or card or smartcard) near3 (in or by) near3 (authenticat\$3 or verif\$6 or validat\$4)	USPAT	2004/11/01 16:01
-	1	"08/609,273"	USPAT;	2004/11/02 08:01
-	13632	keyboard near3 (mcu or microcontroller or controller or processor)	US-PGPUB	2004/11/02 10:23
-	13	keyboard near3 (mcu or microcontroller or controller or processor) with "card reader" near3 (mcu or microcontroller or controller or processor)	USPAT;	2004/11/02 10:28
-	54	keyboard adj3 (mcu or microcontroller or controller or processor) and "card reader" adj3 (mcu or microcontroller or controller or processor)	US-PGPUB	2004/11/02 16:20

-	26	keyboard adj (mcu or microcontroller or controller or processor) and "card reader" adj3 (mcu or microcontroller or controller or processor)	USPAT; US-PGPUB	2004/11/02 10:48
-	1	5844497.pn.	USPAT; US-PGPUB	2004/11/02 10:35
-	6	keyboard adj (mcu or microcontroller or processor) and "card reader" adj3 (mcu or microcontroller or controller or processor)	USPAT; US-PGPUB	2004/11/02 10:51
-	553	(validat\$4 or verif\$6 or authenticat\$4) near3 (by or done or perform\$3 or accomplish\$3) near3 (card or "ic card" or smartcard or smart\$1card)	USPAT; US-PGPUB	2004/11/02 10:53
-	84	(validat\$4 or verif\$6 or authenticat\$4) adj2 (by or done or perform\$3 or accomplish\$3) adj2 (card or "ic card" or smartcard or smart\$1card)	USPAT; US-PGPUB	2004/11/02 10:53
-	4	"k/b mcu" or "keyboard microcontroller unit" or "keyboard mcu"	USPAT; US-PGPUB	2004/11/02 16:14
-	3925	"k/b mcu" or "keyboard microcontroller unit" or "keyboard mcu" or "keyboard controller" or "k/b controller"	USPAT; US-PGPUB	2004/11/02 16:15
-	3925	"k/b mcu" or "keyboard microcontroller unit" or "keyboard mcu" or "keyboard controller" or "k/b controller" near3 ("card reader")	USPAT; US-PGPUB	2004/11/02 16:15
-	2	((("k/b mcu" or "keyboard microcontroller unit" or "keyboard mcu" or "keyboard controller" or "k/b controller") near3 ("card reader"))	USPAT; US-PGPUB	2004/11/02 16:16
-	37	keyboard adj3 (mcu or microcontroller or controller) and "card reader" adj3 (mcu or microcontroller or controller or processor)	USPAT; US-PGPUB	2004/11/03 16:55
-	1	"09/858004"	USPAT; US-PGPUB	2004/11/04 12:09
-	321	"card reader" with (lcd or "liquid crystal display")	USPAT; US-PGPUB	2004/11/03 10:17
-	1	"card reader" with (lcd or "liquid crystal display") and 713/169.ccls.	USPAT; US-PGPUB	2004/11/03 10:17
-	15	"card reader" with (lcd or "liquid crystal display") and 713/169-202.ccls.	USPAT; US-PGPUB	2004/11/03 10:42
-	5	"card reader" near3 (lcd or "liquid crystal display") and 713/169-202.ccls.	USPAT; US-PGPUB	2004/11/03 10:33
-	38	"card reader" adj3 (lcd or "liquid crystal display")	USPAT; US-PGPUB	2004/11/03 12:09
-	14	(card or smartcard or smart\$1card) same ("invalid entry" or "error message") and ((no or number) adj2 digit) with (pin or password or "encryption key" or key)	USPAT; US-PGPUB	2004/11/03 12:13
-	0	(card or smartcard or smart\$1card) same ("invalid entry" or "error message") with ((no or number) adj2 digit) with (pin or password or "encryption key" or key)	USPAT; US-PGPUB	2004/11/03 12:13
-	3	(card or smartcard or smart\$1card) same ("invalid entry" or "error message") same((no or number) adj2 digit) with (pin or password or "encryption key" or key)	USPAT; US-PGPUB	2004/11/03 13:04
-	148	(check\$3 or determin\$3 or validat\$3) with ((no or number) adj2 digit) with (pin or password or "encryption key" or key)	USPAT; US-PGPUB	2004/11/03 13:06
-	14	(check\$3 or determin\$3 or validat\$3) with ((no or number) adj2 digit) with (pin or password or "encryption key" or key) and 713/169-202.ccls.	USPAT; US-PGPUB	2004/11/03 13:11
-	6	(check\$3 or determin\$3 or validat\$3) near3 ((no or number) adj2 digit) with (pin or password or "encryption key" or key) and 713/169-202.ccls.	USPAT; US-PGPUB	2004/11/03 13:14

-	53	(check\$3 or determin\$3 or validat\$3) near3 ((no or number) adj2 digit) with (pin or password or "encryption key" or key)	USPAT; US-PGPUB	2004/11/03 13:14
-	1	(check\$3 or determin\$3 or validat\$3) near3 ((no or number) adj2 digit) with (pin or password or "encryption key" or key) with (smartcard or card or smart\$1card)	USPAT; US-PGPUB	2004/11/03 13:22
-	4	(check\$3 or determin\$3 or validat\$3) with (correct near2 (no or number) adj2 digit) with (pin or password or "encryption key" or key)	USPAT; US-PGPUB	2004/11/04 09:19
-	19	keyboard adj2 (mcu or microcontroller or controller) and "card reader" adj2 (mcu or microcontroller or controller or processor)	USPAT; US-PGPUB	2004/11/03 17:00
-	336	(mcu or microcontroller or controller)adj2 (inside or in) and keyboard	USPAT; US-PGPUB	2004/11/03 17:03
-	3	(mcu or microcontroller or controller)adj2 (inside or in) adj2 keyboard	USPAT; US-PGPUB	2004/11/03 17:04
-	15	5459462.URPN.	USPAT	2004/11/03 17:05